950DLN SERIES NOISE ATTENUATED 35mm SPUR GEARED MOTOR (RE385LN Motor)

Geared motor bracket (90 degree)
sold separately
Part No. 727

RATIOS NOW AVAILABLE AS EX-STOCK ITEMS.
Fitted with RE385LN (4.5v - 15v) Motor:

950D2.51LN	Ratio	2.5:1
950D61LN	Ratio	6:1
950D111LN	Ratio	11:1
950D301LN	Ratio	30:1
950D501LN	Ratio	50:1
950D1001LN	Ratio	100:1
950D1481LN	Ratio	148:1
950D5001LN	Ratio	500:1
950D8101LN	Ratio	810:1
950D30001LN	Ratio	3000:1

Designed for heavier duty industrial and modelling applications. These units boast a high quality five pole low rpm motor providing approx 45% more motor torque than the standard RE385 motor, with a considerable reduction in noise levels. The metal gearbox incorparates sleeve bearings, enabling the high torque transfer to be transmitted through the gearbox.

MOTOR DATA. (RE385LN)

MODEL	VOLTAGE		NO LOAD		AT MAXIMUM EFFICIENCY					STALL TORQUE	
	OPERATING RANGE	NOMINAL	SPEED R.P.M.	CURRENT A	SPEED R.P.M.	CURRENT A	TORQUE oz-in	TORQUE g-cm	OUTPUT W	EFF %	oz-in	g-cm
RE385LN	6 - 12	12v Constant	7200	0.19	5950	0.9		110	6.72	62		660

Stall Current: RE385LN at 12v = 5.0A

GEARBOX DATA.

PART NO	RATIO	REDUCTION TABLE RPM (No Load)°					WEIGHT	TORQUE RATING AT:
		4.5v	6v	9v	12v	15v		12v (g.cm)^
950D2.51LN	2.5:1	1080	1440	2160	2880	3600	192g	223
950D61LN	6:1	450	600	900	1200	1500	193g	535
950D111LN	11:1	246	328	491	655	819	196g	980
950D301LN	30:1	90	120	180	240	300	202g	2000
950D501LN	50:1	54	72	108	144	180	210g	3000
950D1001LN	100:1	27	36	54	72	90	211g	6000
950D1481LN	148:1	18	25	37	49	61	211g	6000
950D5001LN	500:1	5	7	11	14	18	220g	6000
950D8101LN	810:1	3	4.5	7	9	11	220g	6000
950D30001LN	3000:1	1	1.2	1.8	2.4	3	226g	6000

NOTES:° Motor speeds may vary by + or - 10%
^ Geared Motor Torque Ratings at Maximum Efficiency. To establish Torque Rating in Nm, divide g.cm by 10197.0

950DLN SERIES	
No Load Backlash	Max 2 deg.
Max Radial Load (10mm from flange)	1000gf.
Shaft Axial Load	700gf.

IMPORTANT NOTICES:
At very low ratios the torque produced by this geared motor combination may exceed the maximum permissible torque of the gearbox. In this situation the unit must not be allowed to stall as this may damage the gears. Due to the wide range of applications for this product it is the users responsibility to establish the products suitability for their individual purpose(s).

MFA/COMO DRILLS
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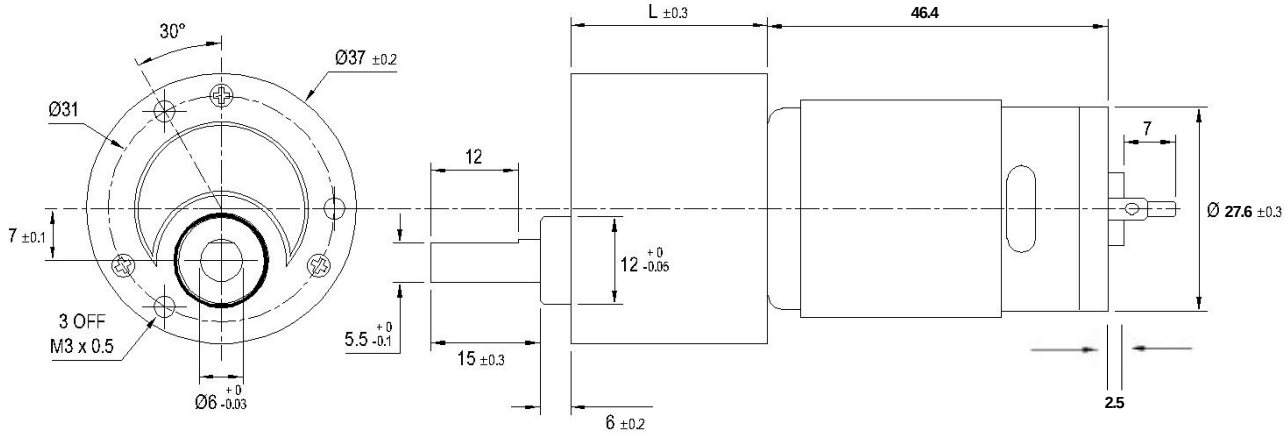
950DLN SERIES TECHNICAL DRAWING



RATIO	L
2.5:1LN	19.5
6:1LN	19.5
11:1LN	19.5
30:1LN	22.0
50:1LN	24.5
100:1LN	24.5
148:1LN	27.0
500:1LN	29.5
810:1LN	29.5
3000:1LN	32.0

NOTE: all diameters in mm

FOR ACCESSORIES TO FIT THIS SERIES GEARBOX, REFER TO 919D SERIES.

Subject to minimum order quantities of 250 units, the following ratios are also available with a six week lead-time. The physical dimensions of these other gearboxes may vary from the data as illustrated above. Details of individual gearboxes are available upon request.

GEARBOX 18:1 with 385LN motor
GEARBOX 60:1 with 385LN motor
GEARBOX 70:1 with 385LN motor
GEARBOX 75:1 with 385LN motor
GEARBOX 90:1 with 385LN motor
GEARBOX 120:1 with 385LN motor
GEARBOX 180:1 with 385LN motor
GEARBOX 200:1 with 385LN motor
GEARBOX 250:1 with 385LN motor
GEARBOX 300:1 with 385LN motor
GEARBOX 350:1 with 385LN motor
GEARBOX 400:1 with 385LN motor
GEARBOX 450:1 with 385LN motor
GEARBOX 600:1 with 385LN motor
GEARBOX 700:1 with 385LN motor
GEARBOX 900:1 with 385LN motor
GEARBOX 1000:1 with 385LN motor
GEARBOX 1500:1 with 385LN motor

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